SEQUENCE LISTING

<110> RUSSELL, James A.
WALLEY, Keith R.

<120> PLASMINOGEN ACTIVATOR INHIBITOR-1 (PAI-1) HAPLOTYPES USEFUL AS INDICATORS OF PATIENT OUTCOME

<130> 28903.0003

<140> NOT YET ASSIGNED
<141> 2005-09-19

<150> PCT/CA2004/000424
<151> 2004-03-19

<150> US 60/455,550
<151> 2003-03-19

<160> 11

<170> PatentIn version 3.2

<210> 1
<211> 14544
<212> DNA
<213> Homo sapiens

<400> 1
cgtactggtc catagcctgt taggaaccag gctgcataac aggaggtgag tggcaggtga 60
gtgaaatttc atctgtagtt acagccactc ctcatcactc gcattaccac cagagctcca 120
ctccctgtca gatcagcggc ggcattagat tctcatagga gctcgaaccc tattctaaac 180
tgttcatgtg agggatctag gttgcaagct ccctatgaga atctaatgcc tgatgatctg 240
tcacggtctc ccatcacccc tagatgggac catctagttg caggaaaaca agctcagggc 300
tcccactgat tctacacgat ggtgaattgt ggaattattt cattatatat attacaatgt 360
aataataata gaaataaagc acacaataaa tgtaatgtgc ttgaatcatc ccgaaaccat 420
cccaccctgg tctgtgaaaa aattgtcttc catgaaacca gtccctggtg ccaaaaacgt 480
tgaggaccac tgctccacag aatctatcgg tcactcttcc tcccctcacc cccttgccct 540
aaaagcacac cctgcaaacc tgccatgaat tgacactctg tttctatccc ttttcccctt 600
gtgtctgtgt ctggaggaag aggataaagg acaagctgcc ccaagtccta gcgggcagct 660
cgaggaagtg aaacttacac gttggtctcc tgtttcctta ccaagctttt accatggtaa 720
cccctggtcc cgttcagcca ccaccacccc acccagcaca cctccaacct cagccagaca 780
aggttgttga cacaagagag ccctcagggg cacagagaga gtctggacac gtgggggagt 840
cagccgtgta tcatcggagg cggccgggca catggcaggg atgagggaaa gaccaagagt 900
cctctgttgg gcccaagtcc tagacagaca aaacctagac aatcacgtgg ctggctgcat 960
gccctgtggc tgttgggctg ggcccaggag gagggagggg cgctctttcc tggaggtggt 1020
ccagagcacc gggtggacag ccctgggga aaacttccac gttttgatgg aggttatctt 1080
tgataactcc acagtgacct ggttcgccaa aggaaaagca ggcaacgtga gctgtttttt 1140
ttttctccaa gctgaacact aggggtccta ggctttttgg gtcacccggc atggcagaca 1200
gtcaacctgg caggacatcc gggagagaca gacacaggca gagggcagaa aggtcaaggg 1260
aggttctcag gccaaggcta ttggggtttg ctcaattgtt cctgaatgct cttacacacg 1320
tacacacaca gagcagcaca cacacacaca cacacacatg cctcagcaag tcccagagag 1380
ggaggtgtcg agggggaccc gctggctgtt cagacggact cccagagcca gtgagtgggt 1440
ggggctggaa catgagttca tctatttcct gcccacatct ggtataaaag gaggcagtgg 1500
cccacagagg agcacagctg tgtttggctg cagggccaag agcgctgtca agaagaccca 1560
cacgcccccc tccagcagct gaattcctgc agctcagcag ccgccgccag agcaggacga 1620
accgccaatc gcaaggcacc tctgagaact tcaggtagga gaaaagcaaa ctccctccaa 1680

cctcttactt cgggcttaag gcagagaact cgcctcccca gaatctcctc cctccatgat 1740
cccccgctat tcctctattt tcttttcctc ggacctgcag ccttgggtcg accctgccct 1800
aggggtgact gcaggagagc agggaggatg gtcaggcgtc accaacaacc ccatcaccca 1860
gtaacaagaa ccttgactct ctcagtccct ctgcatcaag acacttaccc atttcccacc 1920
tcatgcctgc taacttgaat gaaacaatcg ctgggaaagc attaagagaa ttaaggctgg 1980
gcactgtggc tcatgcctgt aatcccagca ctttgtgagg ctgaggcagg cagataactt 2040
gagcccagga gtttgagacc agcctgggca acatggcaaa accctgctct cccaaaaaaa 2100
tacaaaaatt agctgggcgt gctggtgtgc ctgtattccc agctacttgg gaggctgagg 2160
tgggaggatt gcttcagctg gggaggcgga ggctgcaggg agccaagact gagccattgc 2220
acccagcctg ggtgacagag caagaccctg tctctaaaaa tgaatgaaag gaaggaagaa 2280
agagagagaa agagagagag gaaagaagga aggaagtaaa gaagaaagaa agaaagaaag 2340
aggaaagagg aagaaagaaa gaaaagaaag aaaagaaaag aaagcaaatt taaagcttat 2400
gcaaatcaaa gatgttgtga taattgataa ttgagtctgg gctaaattcc ccctgggctg 2460
caaaggcaga gagtggtaat gacttctcac ctgcttttct tctaaggctt ttttacggga 2520
cacagaggga agggagatgg actggattcc aagattccca cagggcaaga tgggcgaaga 2580
ctccctgcca ctgcccgggg ataagtcagt ctgagtgaga cggagtggga tgggcttaga 2640
acctgaacat gtcatggtct cttcctgcac cttgccctag tgttcactta ccacctgctt 2700
gcaggaaaca agaagagcag ggcccacagc tggccagctc ccctcccctc ccgcctgtct 2760
tccagaacga ttccttcacc agccctcttt ccattgctct aggatgcaga tgtctccagc 2820
cctcacctgc ctagtcctgg gcctggccct tgtctttggt gaagggtctg ctgtgcacca 2880
tcccccatcc tacgtggccc acctggcctc agacttcggg gtgagggtgt ttcagcaggt 2940
ggcgcaggcc tccaaggacc gcaacgtggt tttctcaccc tatggggtgg cctcggtgtt 3000
ggccatgctc cagctgacaa caggaggaga aacccagcag cagattcaag cagctatggg 3060
attcaagatt gatggtgagc cacgggacac caggggaggt gggtggcatg cagaacagac 3120
ctaccagaag ccaaggaaag gctggctctg gcttagccga gccaagcccc atacagctgt 3180
gctgcagggg ccaccccatc ttcttcccac tacactccaa gtcactggac ccttgaatct 3240
ccaagggtgt ctgaccagta gatttaccgc ttattcacca ccgtgtgatc ttaacctcgt 3300
taagtttgcc catctacaaa atgaggatta tttgctgtcc taaagaattc atgagccggg 3360
cgcggtggct caaacgcctg taatcccagc actttgggag gccaaggcgg gcggatcatg 3420
aggtcaggag atcaagacca tcctggctaa cacagtgaaa ctccatctct actaaaaata 3480
caaaaaaaat tagccaggcg tggtggcagg cgcctgtagt cccagctact cgggaggctg 3540
aggcaggaga atggcatgaa cccaggaggc agagcttgca gtgagctgag atcgtgccac 3600
tgcactccag cctgggcgac agagagagac tccgtctcaa aaaaaaaaat taaaagaatt 3660
catggaatta cacttgtgaa atacttagca tagccatcac tataggaaaa aaatctaagg 3720
ccaggcacag tgcctcatgc ctgtaatctc agcactttcg gagtttgagg caggaggatc 3780
acccaaggct aggagttcaa ggccagcctg ggcaatacgg tgaaaccccg tctctaataa 3840
aaatataaaa attagtctga tgaggtggtg cacctgtaat cccagctact caggaagctg 3900
agacacaaga atcactttaa cccgggaggt ggaggtggca gtgagctgag atcacaccat 3960
tgcactccag cctgggtgac agagtgagac ctgtcaaaaa aaagaaaaga aagagagaga 4020
gagagagaag agagagaaag aaagaagaag aaagaaagaa agagagagag agaaagaaag 4080
aaagaaacaa agaaacaaag aaagaaagga aaagaaaaaa aaaactaagg ccaggcaagg 4140
tggcttatga ctgtaatttc agcactttgg aagattgagg caggaggatc acttgaggcc 4200
agaagttcga gacaagactg agcaacaggg agacccctgc ctctacaaaa aaatttacaa 4260
attagccaga tgtggtgaca catacctgta gtcccaacta ctcaggaggc tgaggtggga 4320
ggatggcttg agcccaggag ctggaggctg cagtgagcta tgattgtacc actgcacttc 4380
agcctgggca acaaagggaa gccctgtctg aaaaaaaaaa aaaaagaaaa agaagaagaa 4440
agaaaatatt tagggttcat ccaggaggca gaggttgcag taagctgaca tcgcgccatt 4500
gcactccagc ctgggagaca agagcaaaac tccaactcaa aaaaaaaaaa aaaaaaaaaa 4560
caggaagaaa atatttaggg ttcataactt aagaacagag aaaaatattc tagcccaaag 4620
aaagggttgg gatctgagac ttttgaagaa aggaaggaga tacagaaaag agatttcatc 4680
ctggaatgaa atctccctcc agagagccct gggaaagcac ggtagccccc atccatcaga 4740
gtggagcccc ttgtggggga agtgggctcg gctgggaacc ctcaattcag cataagcctc 4800
acatgtcctc tcctctctgt cccggtgcag acaagggcat ggcccccgcc ctccggcatc 4860
tgtacaagga gctcatgggg ccatggaaca aggatgagat cagcaccaca gacgcgatct 4920
tcgtccagcg ggatctgaag ctggtccagg gcttcatgcc ccacttcttc aggctgttcc 4980
ggagcacggt caagcaagtg gacttttcag aggtggagag agccagattc atcatcaatg 5040
actgggtgaa gacacacaca aaaggtgagc aggcagggaa aggaaaccca tttcctgggc 5100

ctcaagagaa agggaatttg gaaataaatc cacatatccc agttgggtgc agtagttcac 5160
acctgtaatc ccagcccaac actttgggag gtctaggcga gaggaaggct tgaggcctgg 5220
agtttgagac cagcctggcc aacataacaa gacctcatct cttcaaaaaa tttaaaaacc 5280
agccgggcat ggtggtgcac acctgtagtc ccagctactt gggaggctga ggtgggagga 5340
tcacttgagt ccagcagttc aaggctgcag tgagctatgt ttgcaccacc acactccagc 5400
ctgagtcaca gaacaagacc tcatctctaa aaaacaaaca aaaaccaaat ccacatatcc 5460
taaaaaatgc tccttttcag cattctcttc tctatggaca aagggctgga tgctttaaga 5520
accaaatctt aggctgggca cggtggctca cgcctctaat cctagcactt tgagaggcca 5580
aggcgggcag attgcctgag cacaggagtt cgagaccagc ctggccaaca tggtgaaacc 5640
ctgtctctgt caaaaataca aaaaattagc caggtgtgtt ggcgcgtgcc tataatccca 5700
gctgctcggg aggatgaggt tcaaagaatc acttgaaccc gggaggcaga ggctgcagtg 5760
agctgagatc atgccactgc actccagcct gggtgacaga gcaagacttt gtctccaaaa 5820
aaaggaacta gacgggttca tttaaacccc tgactgcagc cctttgacat acatccaatt 5880
gaggactggg gactccggga aacatctaaa aggcttaaaa actttgtcta acttcagccg 5940
ggcatggtgg ctcacacctg taatcccagc actttgggag gctgaggcag gtggatcaca 6000
aggtcaggag tttgagacga gcctgaccaa catggtgaaa ccccgtctct actaaaaata 6060
caaaaattag ccaggcatgg tggcaggcgc ctgtaatccc agctattcgg gaggctgagg 6120
caggagaatt gcttgaaccc cggagacaga ggttgcagcg agccgagatc gcgccactgc 6180
actccagcct ggcaatagag tgagactcca tctcaaaaca acaacaacaa caacaacaac 6240
aacaaaatcg tctaacttcc tgatcttcct gatcattgat tttcccatag gtatgatcag 6300
caacttgctt gggaaaggag ccgtggacca gctgacacgg ctggtgctgg tgaatgccct 6360
ctacttcaac ggccagtgga agactccctt ccccgactcc agcacccacc gccgcctctt 6420
ccacaaatca gacggcagca ctgtctctgt gcccatgatg gctcagacca acaagttcaa 6480
ctatagtaag tccaagagcc ccttccccac agcccacagc aactgcatct cattcctggg 6540
gtctcccaag gaatacccaa aatgtcaccc tctgagggag gaagaccaca gggaatgctc 6600
ccctttaagg gaggagagac cctagaatat actccagctt tgacaaagat ttcccaagca 6660
ggagacatca ggataatggg aacagaagac aggaggttta tcccatgaag gatgaagaag 6720
ctgaaatcca gagattccct cagggccaca tttgtccacc tgactccagg gtctcatctt 6780
cgtgtgttgc tagtgtgatt acctggggat gagaaatcct gctgggggag ttgaggttaa 6840
gaggatgagg actccaggtg ctgtggctca cgcctgtaat cccagcactt tgggaggcca 6900
aggcaggtgg atcaggagtt tgaggtcagg agtttgagac cagcctggcc aacatggtga 6960
aaccctgtct ctactaaaaa tgcaaaaatt agccaggtgt ggtggcaggc gcctgtaatc 7020
ccagctactc gggaggctga ggcaggagaa tcacttgagc ccgggaggtg gaggttgcag 7080
tgagccgaac gaaattgagc cacttcaccc cagcctgggc aaaagagtga aattccattc 7140
aaaaaaaaaa aaaaaaaaaa aaggatgagg actgggatga actggtggct gggtgtgggg 7200
aaaatggaag tgaaggaagg ccaaaagaga cagagaaggc ctggcgcggc gactcacgcc 7260
tataatccca gcactttggg aggctgagaa gggggattgc ttgaggccag aagttgaata 7320
ccagtctggg cagcatagca agaccctgcc tctacaaaaa aaaaattttt tttaattagc 7380
caggcttggt gacatgcatc tgtagtctac tcaagaagct gaggtgaggc caggcacggt 7440
ggctcacgcc tgtattccca gcactttggg aggtcaaggc gggtggatga cctgaggtca 7500
ggagttcaag accagcctgg ccaacatggt gaaaccccat ctgtataaaa atacaaaaat 7560
tagctgggca tgatagcagg tgcctgtaat tccagctact caggaggctg aggtgggaga 7620
atctattgaa cccgggaggg ggaggttgca gtgagccgag atcatgccat tgcactccag 7680
cctgggcgac agagtgagac tccttctcaa aacaaacaaa caaacaaaca aacaaaatac 7740
agaagctgag gcgggaggaa catttgaacc ggattcggag gctgcagtga gctatgattg 7800
caccactgcg ctccagtctg tgtgacagtg agaccctgtc tcttacacac acacacacac 7860
acacacacac acatgcacac acacagagag agagaaatta gaagatactg aattggcaga 7920
agagaaggga aatagaaatt aaaatactga ataggggagc agtgaacagg ggatacccaa 7980
aagccaagag cgagagagag cctggcttcc agaaatagtg gagaagccag gagaactagg 8040
tgaaaaccca gtgctgggtt gccatcagcg agagctggag ccatttccaa cgaaccatct 8100
tgtcgtcttc acagctgagt tcaccacgcc cgatggccat tactacgaca tcctggaact 8160
gccctaccac ggggacaccc tcagcatgtt cattgctgcc ccttatgaaa aagaggtgcc 8220
tctctctgcc ctcaccaaca ttctgagtgc ccagctcatc agccactgga aaggcaacat 8280
gaccaggctg ccccgcctcc tggttctgcc caagtaagcc accccgctat ctccccgacc 8340
taccaacccc tctctcctgg ctccctaaag tcaccgcccc caggttgaat ttcccagatc 8400
tgtgatgctt gcaggacatg catgtgtggg aggctgatgg gaaactgtgg cctgggtttg 8460
attatgagtc ttgcaatcat ccctcccccc gtttctgctg gagggcaggg gacagctctt 8520

cctgaccaca cccccacatt gactatcccc agaataccca gcaaaagccc ccaaaaggag 8580
agtcagagaa atgagggagg tgggggccca atcagtccac atctacttag ggtcgcccca 8640
tcagcacttc catccccaac cctttcaagt caacatccaa acaaaagaaa tcacttccaa 8700
ggacggagca gctcaaagcg cagcttctag ctggggttcc aagaaagcag atttttcgaa 8760
atccttctgc agaaggaagc aaagagattt tttgaaatct ttctgcagaa ggagaaggct 8820
ggagctgggg aactccagaa ttatagggaa gcctcccacc acgctcatcc caaatttccg 8880
gatgctataa tgccaggctt ggggaaagag gagaatttag ttggttagct ggtgcgtgct 8940
ctcacttgca tcctctctct tcctcttttt ttttttctc ctctctctct ggctcataaa 9000
aatggaggta attagttgtg ccctggtgag aagcagagag tgcacaaagg ccccctgctt 9060
gagtcctctt cagggttagc tctcagaaac acaatctgca gaacagattt ttgttccaac 9120
atccttgcag gagaatttgc ccttagcttc ccccacccca gccaggctga ataaaattat 9180
gctgaaacta ctgtcttatt tgaggaaagt aattagtcat aggtgggagg gggtggggag 9240
attgcagaag aatgttcatg aatattagga ttttcagctc taaggggga ctttgtaaac 9300
agctttagaa gaagaaccag gccggctggg tgtggtggct catgcctgta atctcagcat 9360
ttggggaggc caaggcgggc ggatcacttg aggtcaggag tttgagacca gcctggccaa 9420
catggtgaaa ccctgtctct attaaaaata caaaaattag ccagccgtgg tagcgagcgc 9480
ctatgatccc agctactccg gaggctgagg ccagagaatc acatgaacct gggaggtgga 9540
ggctgcagtg agccgagatc acgccactgc actccagcct gggggacaga gcaagaatct 9600
gtttcaaaaa aaaaaaaaga aaaataggaa ggaaggaagg aaaggaaagg aaagaagaga 9660
gagagaaaga aagagagaga gagagagaga aagaaagaaa gaaagaaaga aagaaagaaa 9720
gaaagaaaga aagaaagaaa gaaaaagaaa ggaaagaaag aacgaacgaa ccaggcctcc 9780
ctctccaacc ttcacctccg tccctattct ggccacttga ttcgggggac acctggtagg 9840
ggatggggaa aggtgggagc tgccagccag aggggacccc ggcttgagca gcctcttgct 9900
gctatctgca ggttctccct ggagactgaa gtcgacctca ggaagcccct agagaacctg 9960
ggaatgaccg acatgttcag acagtttcag gctgacttca cgagtctttc aggtaagaag 10020
actttccttt gcattttctc accccagtgg actgcggggg cccctaagag gaaaaaggaa 10080
cctctccttg agagcggcag ctgatctaat cctgtatcca catctgtttc agaccaagag 10140
cctctccacg tcgcgcaggc gctgcagaaa gtgaagatcg aggtgaacga gagtggcacg 10200
gtggcctcct catccacagg tgagtctggc tcaggtgagg ctccacgggt gtcgcctcca 10260
tcgcccttca ggataactgg tccccagacc cggaaaggac cccgcagccc tctcggcaca 10320
gagcagctct gtctgtgctc agccatcacc cactccccac ctgtttctca gcctggaaaa 10380
cgggcttggg accatggaac cctgtttcct cgcctgatgg ctcctaagtt ccctgactgt 10440
gaaaaggcct cctaaagaaa aacccaagtt gttcccacag tgggaagtaa acttaagaaa 10500
catgcttatc aggctgggca tggtggctcc cacctgtaat cccagcgctt tgggggacca 10560
aggcaggtgg atcacttgag gtcaggaatt cgagaccagc ctgggcaaca tggcaaaacc 10620
ctatctctac taaaaataca aaaattaggc aggcgtggtg gcatgtgcct gtagtcccag 10680
ctacttggga ggctgaggca ggagaatcac ttgaatccag gaggcagagg ttgcagtgag 10740
ccgagatcac gctgctgcac tccagcctgg gcaatagagc atgactctga agaaaagaaa 10800
gaaagaaaga gagagagaga gaaaagaaag aaagaaagaa agaaagaaag aaagaaagaa 10860
agaaagaaag aaagaaagaa agagaaagaa agagaagaaa agaaaagaaa gagcttatca 10920
ataagccctt aaaggattta gataaatgtg tgtaagggaa gagctgatcc attgctacca 10980
agctcctgga ggaaaccagg tctcagagga tgtccctaaa cttttaaggt tcatattcag 11040
gaaaacaaac aacttccagc tgggcttagt ggctcacacc tgtaatccca gcactttggg 11100
aggccgaggc aggaggatcg cttgagccca ggaatttgag accagcctgg gcaatataat 11160
gagactgtgc tctacaaaaa ttagaaaaaa attagccagg catggtggca tgcacctgta 11220
gccccagtta cttgggagac tgaggtggga ggatcacttg agcccatgag ttcaaggctg 11280
cagtgagcca tgaaggtgcc actgcactcc cgcctgggcg acagagggag accctgtctc 11340
taagaaaaac ggcgggggtg ggggtggtgc cagtgccagc atccctctgt tctaagacat 11400
tgtcccttct cttgcagctg tcatagtctc agcccgcatg gcccccgagg agatcatcat 11460
ggacagaccc ttcctctttg tggtccggca caaccccaca ggtgagcctg gaacccatca 11520
cgttccacat cctcccaccc attctttctc tcaggaacta gtcccgacag atgcagacat 11580
ccctctatcc ctgagagggc tctgggcagg gaaccataac cctaccctgc ttcctgtccc 11640
aagaggaggc taccttctat cacccacaga cagtgccggg tccccgctct gtgactcagg 11700
cagctgcgac tccagacagc tcactcatct gcctagatct cagtccttcc acccacatcc 11760
agcctgatga gctgtcccac tccttctgct tctcaacccc catggttctt ccaccctcag 11820
gaacagtcct tttcatgggc caagtgatgg aaccctgacc ctggggaaag acgccttcat 11880
ctgggacaaa actggagatg catcgggaaa gaagaaactc cgaagaaaag aattttagtg 11940

ttaatgactc tttctgaagg aagagaagac atttgccttt tgttaaaaga tggtaaacca 12000
gatctgtctc caagaccttg gcctctcctt ggaggacctt taggtcaaac tccctagtct 12060
ccacctgaga ccctgggaga gaagtttgaa gcacaactcc cttaaggtct ccaaaccaga 12120
cggtgacgcc tgcgggacca tctggggcac ctgcttccac ccgtctctct gcccactcgg 12180
gtctgcagac ctggttccca ctgaggccct ttgcaggatg gaactacggg gcttacagga 12240
gcttttgtgt gcctggtaga aactatttct gttccagtca cattgccatc actcttgtac 12300
tgcctgccac cgcggaggag gctggtgaca ggccaaaggc cagtggaaga aacacccttt 12360
catctcagag tccactgtgg cactggccac ccctccccag tacaggggtg ctgcaggtgg 12420
cagagtgaat gtcccccatc atgtggccca actctcctgg cctggccatc tccctcccca 12480
gaaacagtgt gcatgggtta ttttggagtg taggtgactt gtttactcat tgaagcagat 12540
ttctgcttcc ttttatttttt ataggaatag aggaagaaat gtcagatgcg tgcccagctc 12600
ttcacccccc aatctcttgg tggggagggg tgtacctaaa tatttatcat atccttgccc 12660
ttgagtgctt gttagagaga aagagaacta ctaaggaaaa taatattatt taaactcgct 12720
cctagtgttt ctttgtggtc tgtgtcaccg tatctcagga agtccagcca cttgactggc 12780
acacacccct ccggacatcc agcgtgacgg agcccacact gccaccttgt ggccgcctga 12840
gaccctcgcg ccccccgcgc ccccgcgccc cctcttttttc cccttgatgg aaattgacca 12900
tacaatttca tcctccttca ggggatcaaa aggacggagt ggggggacag agactcagat 12960
gaggacagag tggtttccaa tgtgttcaat agatttagga gcagaaatgc aaggggctgc 13020
atgacctacc aggacagaac tttccccaat tacagggtga ctcacagccg cattggtgac 13080
tcacttcaat gtgtcatttc cggctgctgt gtgtgagcag tggacacgtg agggggggag 13140
tgggtgagag agacaggcag ctcggattca actaccttag ataatatttc tgaaaaccta 13200
ccagccagag ggtagggcac aaagatggat gtaatgcact ttgggaggcc aaggcgggag 13260
gattgcttga gcccaggagt tcaagaccag cctgggcaac ataccaagac ccccgtctct 13320
ttaaaaatat atatatttta aatatactta aatatatatt tctaatatct ttaaatatat 13380
atatatattt taaagaccaa tttatgggag aattgcacac agatgtgaaa tgaatgtaat 13440
ctaatagaag cctaatcagc ccaccatgtt ctccactgaa aaatcctctt tctttggggt 13500
ttttctttct ttctttttttg attttgcact ggacggtgac gtcagccatg tacaggatcc 13560
acaggggtgg tgtcaaatgc tattgaaatt gtgttgaatt gtatgctttt tcacttttga 13620
taaataaaca tgtaaaaatg tttcaaaaaa ataataaaat aaataaatac gaagaatatg 13680
tcaggacagt cactgccttc accttctcca tttcacaccg gtggtacaag aaatcagaag 13740
cctaggccag gtgtggtggt tcatgcctgt aatcccagca ctttgggaag ccgaggtggg 13800
tggatcacct aaggtcagga gtttgagacc agcctggaca acatggtgaa accccgtctc 13860
tactaaaaat acaaaaatta gccgggcgtg gtggctggcg cctgtaatcc cagctactcg 13920
ggaggctgag gcaggagaat cacttgaagc caggaggcag aggttgcagt gagctgagat 13980
tgcaccactg aactccaggc tgggtggcag agcgagactc cctctcaaaa aacaacaact 14040
acaaagacaa caacaaaccc agaatcaaaa tcctgttggt ccatagacct catgggtgga 14100
agagaccttc ctacatccag gttggcccaa catgggggag tccatgaaat ggtcacctca 14160
gctctgccac aagccccaag gataagttga ttctgcccct gggaatcatc ctcaaaaagg 14220
aaaaaaatgt tcccctgcca taaactttcc acttatgcag atgggcctgc tcgtaagtca 14280
ctgtcactgt gggttcccaa ctctgttcat gacacttcct tccagcacca aatgcttccc 14340
acccctctac tcccactccc cattcttcaa acccagctca agttccagtt cctccaccta 14400
ggacttccca tggatccagc caatatcact ctcaggtccg gcgcagtggc ccacgcctgt 14460
aatctcagca ctttgggagg ccggggcagg aagattgctt gaggccagga gtttcagacc 14520
agcctggaca acatagtgag actc 14544

<210> 2
<211> 20
<212> DNA
<213> Homo sapiens

<400> 2
aggaagaaat gtcagatgcg 20

<210> 3
<211> 20
<212> DNA
<213> Homo sapiens

<400> 3
aggaatagag gaagaaatgt 20

<210> 4
<211> 20
<212> DNA
<213> Homo sapiens

<400> 4
tgtcagatgc gtgcccagct 20

<210> 5
<211> 30
<212> DNA
<213> Homo sapiens

<400> 5
aggaagaaat gtcagatgcg tgcccagctc 30

<210> 6
<211> 20
<212> DNA
<213> Homo sapiens

<400> 6
ataggaatag aggaagaaat 20

<210> 7
<211> 30
<212> DNA
<213> Homo sapiens

<400> 7
ttttattttt ataggaatag aggaagaaat 30

<210> 8
<211> 40
<212> DNA
<213> Homo sapiens

<400> 8
ttctgcttcc ttttattttt ataggaatag aggaagaaat 40

<210> 9
<211> 60
<212> DNA
<213> Homo sapiens

<400> 9
ttctgcttcc ttttattttt ataggaatag aggaagaaat gtcagatgcg tgcccagctc 60

<210> 10
<211> 16
<212> DNA
<213> Homo sapiens

<400> 10
gaagaaatgt cagatg 16

<210> 11
<211> 12
<212> DNA
<213> Homo sapiens

<400> 11
aagaaatgtc ag 12